

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Canceled)

2. (Currently Amended) An electronic map apparatus comprising:
media storing map data to be displayed as a map;
a display device for displaying the map including areas having different colors representing different geographical areas in a perspective view in accordance with the map data; and
a microcomputer for processing display data of an arc which is an equidistant curve from a center at a specified point on the map and links points on the perspective view at a constant distance corresponding to actual road distances from the center equal to those on the map,
wherein the microcomputer:
selectively displays the perspective view on the display device,
wherein in the perspective view, the arc of the equidistant curve is displayed as a border between two adjacent colors on the basis of the arc's display data being superimposed on the map, the arc being made more visible by highlighting the arc or by shadowing the arc;
processes data of a plurality of arcs representing different geographical distances from the center, wherein the arcs are each superposed on the map displayed in the perspective view as ellipses;

outputs, in the perspective view, numbers each indicating a geographical distance from the center to one of the plurality of arcs and displays each of the numbers at a location in close proximity to the circumference of the plurality of arcs with a geographical distance thereof indicated by the number;

displays a cursor indicating a scroll center in close proximity to a common center of the map, the scroll center providing a reference point for an object of operation during scrolling of the map in a vehicle ~~plurality of arcs irrespective of a location of the electronic map apparatus;~~

changes contraction of the map displayed on the display device in the perspective view; and

outputs a first character or a first symbol representing a first direction of the map in close proximity to or on one of the arcs.

3-5. (Canceled)

6. (Previously Presented) The electronic map apparatus according to claim 2, wherein:

the electronic map apparatus is a navigation apparatus mounted on a vehicle;

the specified point is the position of the vehicle;

map data of a map including the position of the vehicle is read out from the media; and

the map is displayed in the perspective view in accordance with the map data read out from the media.

7. (Previously Presented) The electronic map apparatus according to claim 2, wherein the specified point is a point on a map specified by a user.

8. (Previously Presented) The electronic map apparatus according to claim 2, wherein a second character or a second symbol representing a second direction is displayed at the specified point.

9. (Currently Amended) An electronic map display method comprising the steps of:

fetching map data from media storing the map data to be displayed as a map;

displaying the map as areas having different colors representing different geographical distances on a display device in a perspective view in accordance with the map data;

displaying an arc, which is an equidistant curve from a center at a specified point on the map and links points on the perspective view at a constant distance corresponding to actual road distances from the center equal to those on the map, and selectively displaying the perspective view on the display device, wherein in the perspective view, the arc of equidistant curve is displayed as a border between two adjacent colors on the basis of the arc's display data being superimposed on the map, the arc being made more visible by highlighting the arc or by shadowing the arc;

displaying, in the perspective view, a plurality of arcs representing different geographical distances from the center, the arcs being displayed as ellipses;

displaying, in the perspective view, numbers each indicating a geographical distance from the center to one of the arcs at a location in close proximity to the circumference of the arc;

displaying a cursor indicating a scroll center in close proximity to a common center of the map, the scroll center providing a reference point for an object of operation during scrolling of the map in a vehicle ~~plurality of arcs irrespective of a location of the electronic map;~~

changing the geographical distances from the center to the arcs and changing the number of the arcs in accordance with a degree of contraction of the map; and

outputting a first character or a first symbol representing a first direction of the map in close proximity to or on one of the arcs.

10-12. (Canceled)

13. (Previously Presented) The electronic map display method according to claim 9, wherein:

the position of a vehicle on which a navigation apparatus is mounted is specified as the specified point;

map data of a map including the position of the vehicle is read out from the media; and

the map is displayed in the perspective view in accordance with the map data read out from the media.

14. (Previously Presented) The electronic map display method according to claim 9, wherein a point on the map is specified by a user as the specified point.

15. (Previously Presented) The electronic map display method according to claim 9, wherein a second character or a second symbol representing a second direction is displayed at the specified point.

16. (Previously Presented) The electronic map apparatus according to claim 2, wherein a plurality of the arcs are displayed so that the constant distance for each equidistant curve corresponding to actual road distance is changed in accordance with the perspective of the map being displayed in the perspective view.

17. (Previously Presented) The electronic map display method according to claim 9, wherein a plurality of the arcs are displayed so that the constant distance for each equidistant curve corresponding to actual road distance is changed in accordance with the perspective of the map being displayed in the perspective view.

18. (Previously Presented) The electronic map apparatus according to claim 2, wherein the microcomputer selectively displays a plane view on the display device, wherein in the plane view, a corresponding distance from the center of the arc of equidistant curve is displayed on one of a plurality of the arcs of equidistant curves.

19. (Previously Presented) The electronic map apparatus according to claim 2, wherein the microcomputer modifies the geographical distances from the center to

the arcs and modifies the number of the arcs in accordance with a degree of contraction of the map.

20. (Previously Presented) The electronic map apparatus according to claim 2, wherein the microcomputer changes a color of the arc into a supplementary color of a drawn portion to the distance display arc.

21. (Previously Presented) The electronic map display method according to claim 9, further comprising:

displaying a plane view on the display device, wherein in the plane view, a corresponding distance from the center of the arc of equidistant curve is displayed on one of a plurality of the arcs of equidistant curves.

22. (Previously Presented) The electronic map display method according to claim 9, further comprising:

displaying a plurality of arcs representing different geographical distances from the center and displaying the arcs on the map displayed in the perspective view.

23. (Previously Presented) The electronic map display method according to claim 9, further comprising:

changing a color of the arc into a supplementary color of a drawn portion to the distance display arc.